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615-889-6888
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ENVIRONMENTAL CONSULTANTS

March 7, 2003

Mr. Chace Anderson
Metropolitan Government of Nashville and Davidson County
Department of Public Works
Division of Solid Waste Management
930 Dr. Richard G. Adams Dr.
Nashville, Tennessee

Re: Southern Services Class III/IV Landfill, Phase 4 Expansion

Dear Mr. Anderson:

In accordance with T.C.A. Section 68-211-814, Waste Management, Inc., of Tennessee is requesting the Metro Solid Waste Region Board verify that the proposed Southern Services Class III/IV Landfill Expansion is consistent with the Regional Solid Waste Management Plan. Attached is a summary of pertinent information regarding the existing landfill and proposed expansion, along with an 11" x 17" Site Map.

Please call if you have any questions or require additional Information.

Sincerely,

TriAD Environmental Consultants, Inc.

Nancy B. Sullivan, P.E.
Senior Project Manager

Attachments

**SOUTHERN SERVICES CLASS III/IV LANDFILL
PHASE 4 EXPANSION
Nashville, Tennessee
TDSWM I.D. Number DML-19-102-0032**

General Description:

Southern Services Landfill is a Class III/IV landfill permitted by the Tennessee Department of Solid Waste Management (TDSWM) for the disposal of farming wastes, landscaping and land clearing wastes, demolition wastes, and construction wastes. The landfill is operated by Waste Management, Inc., of Tennessee and is located at 4475 Hydes Ferry Pike, Nashville, Tennessee. The Site is identified by TDSWM No. DML-19-102-0032.

The proposed Phase 4 Expansion encompasses an approximate 6-acre area located between the original Southern Services Landfill and the Phase 2 Expansion. The proposed Phase 4 expansion will increase disposal capacity of the Southern Services Landfill by joining all currently permitted waste disposal areas.

Site Information:

- Property Area = 165 acres
- Existing Landfill Area = 71.5 acres
- Proposed Landfill Expansion Area = 7 acres

Waste Capacity Information:

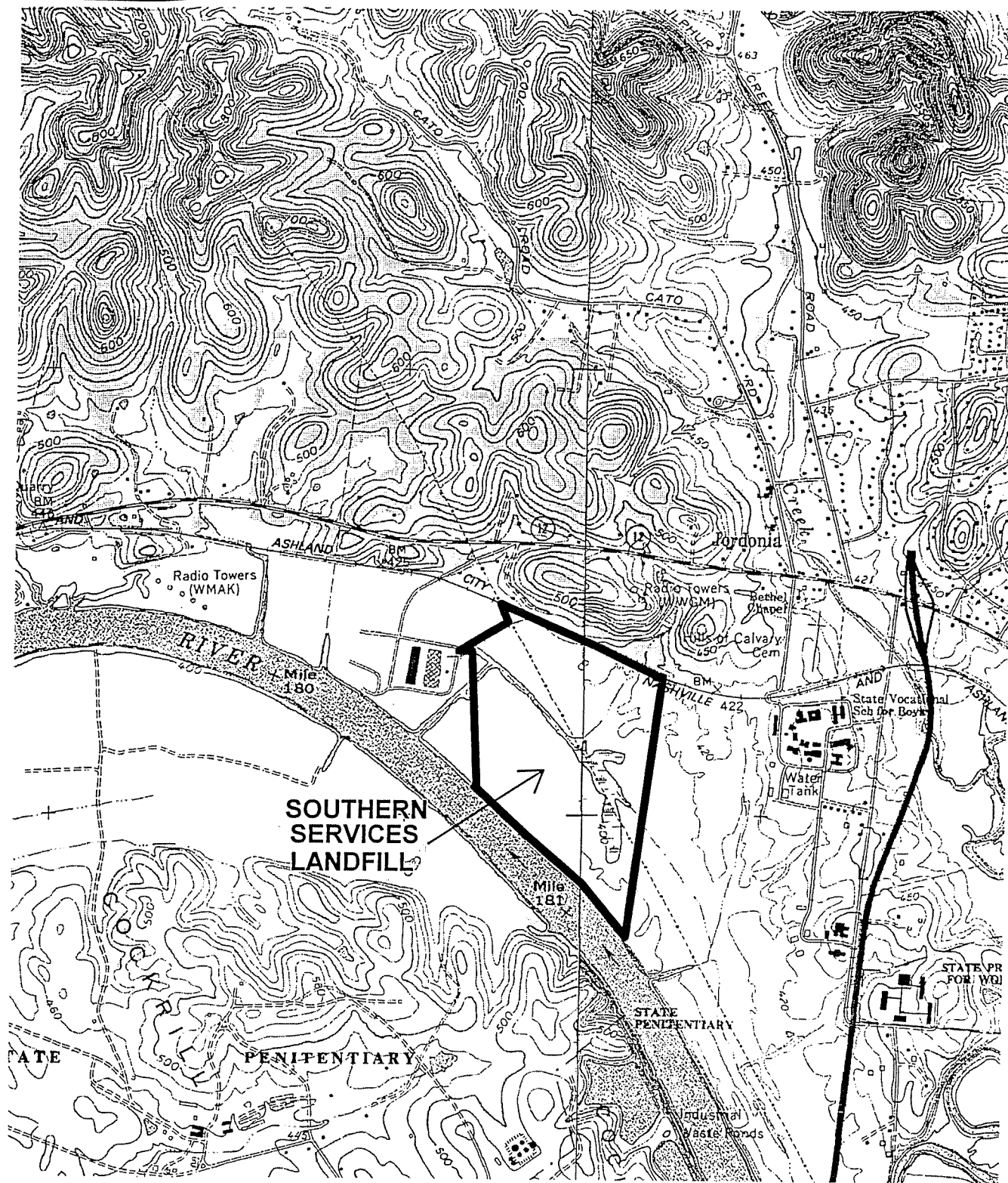
- Existing Permitted Capacity = 8.3 million cubic yards
- Consumed Waste Capacity = 4.0 million cubic yards
- Remaining Waste Capacity = 4.3 million cubic yards
- Phase 4 Expansion Waste Capacity = 3.8 million cubic yards
- Phase 4 Expansion Projected Life = 10 years

History:

- The original Southern Services Landfill began operation in 1974 as a construction/demolition landfill.
- In June 1996, the Phase 1 and Phase 2 waste disposal areas were permitted.
- On December 6, 2000, the Metro Storm Water Management Committee approved the Phase 3 expansion plans.
- On July 19, 2002, the Phase 3 Expansion was approved by the Solid Waste Regional Board.
- In August 2002, TDSWM issued the Phase 3 Landfill Permit.

Environmental Features:

- The waste placed in the landfill is separated from the groundwater by a minimum five-foot of low permeability clay.
- Waste placed in the landfill is covered at least once every fourteen days with a minimum six-inch compacted soil layer.
- Completed sections of the landfill are capped with a thirty-inch cover soil layer consisting of an eighteen-inch low permeability soil layer, overlain by a twelve-inch vegetated topsoil layer.
- A random inspection program is conducted on incoming waste disposal vehicles at the landfill to prevent the disposal of unauthorized wastes. All wastes are also inspected during unloading and compaction.
- Three groundwater monitoring wells are present at the site and sampled on a semi-annual basis to monitor groundwater quality



SOURCE: U.S.G.S. 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE
 NASHVILLE WEST, TENNESSEE, DATED: 1968 PHOTOREVISED: 1983.
 SCOTTSBORO, TENNESSEE, DATED: 1968, PHOTOREVISED: 1983.

PREPARED BY:



TriAD

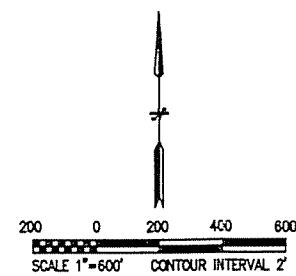
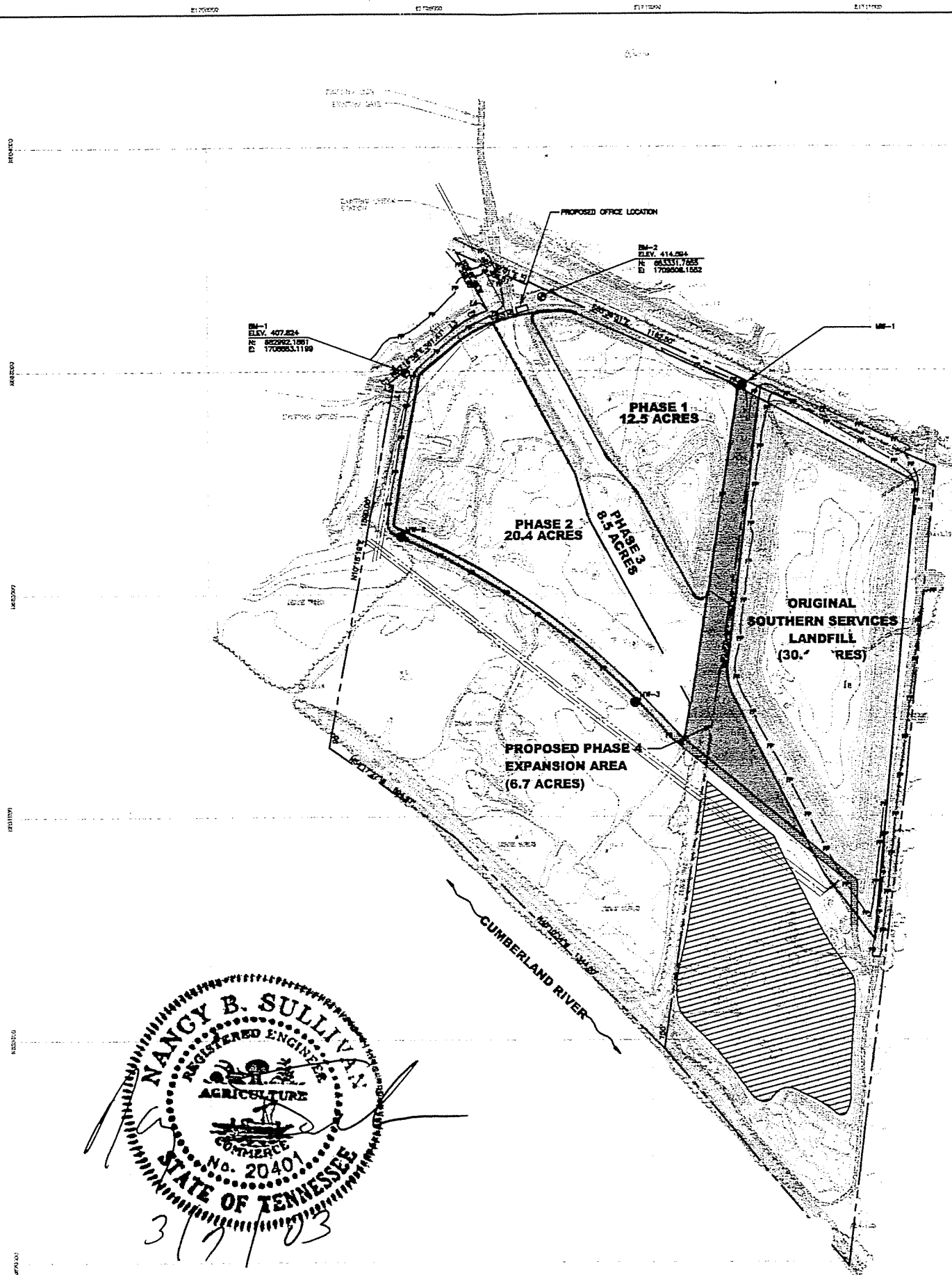
Environmental Consultants, Inc.
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 Nashville, Tennessee 37214
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FIGURE 1
VICINITY MAP
PART II PERMIT APPLICATION
WASTE MANAGEMENT
DAVIDSON COUNTY, TENNESSEE

DWG DATE: 03/04/03

SCALE: 1" = 2,000'

STANDARD 1211-2-BITE-PLANING





LEGEND

- EXISTING CONTOUR
- EXISTING BERM LOCATION
- EXISTING ROAD
- EXISTING TVA TRANSMISSION TOWER
- EXISTING TVA POWERLINE
- EXISTING TVA EASEMENT
- EXISTING UNDERGROUND UTILITIES (ELECTRIC, TELEPHONE, WATER)
- EXISTING OVERHEAD UTILITIES (ELECTRIC, TELEPHONE)
- EXISTING SEWAGE HOLDING SYSTEM
- EXISTING RAILROAD
- EXISTING FENCE LINE
- PROPERTY BOUNDARY
- MW-1 EXISTING MONITORING WELL
- S-1 SOIL BORING LOCATION
- T-1 TEST PIT
- 100-YR FLOODPLAIN BOUNDARY
- WETLANDS
- PROPOSED ROAD
- CULVERT
- BENCHMARK
- TVA POWERLINE
- PHASE 4 EXPANSION AREA

NOTES

1. BASE MAP DEVELOPED FROM APRIL 18, 1999, AERIAL SURVEY PROVIDED BY CONTINENTAL AERIAL SURVEYS, INC.
2. BASE MAP UPDATED FROM FEBRUARY 29, 2000, AERIAL SURVEY PROVIDED BY CONTINENTAL AERIAL SURVEYS, INC.
3. BASE MAP MODIFIED BASED ON AUGUST 18, 2000, TOPOGRAPHIC SURVEY PROVIDED BY BUCHANAN LAND SURVEYING.
4. BUILDINGS ARE SHOWN ROOFLINE ONLY.
5. PROPERTY BOUNDARY INFORMATION OBTAINED FROM SURVEY BY BUCHANAN LAND SURVEYING, JANUARY 2001.

**THAD ENVIRONMENTAL CONSULTANTS, INC.**
Site 200, 202, 207, 208, 209, 210, 211, 212, 213, 214
615-489-8888, Fax: 615-489-4084

**WASTE MANAGEMENT**

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